



# Weekly Construction Report

## Hatchery Creek Design/Build Project



<b>Time Period (two weeks):</b>	September 28- October 10, 2015	<b>Project No:</b>	1305
<b>Rain Days/Weather Conditions:</b>	Rain started on Tuesday, Sept. 29 <sup>th</sup> and rained ~3.2" (Rowena gauge) over the rest of the week. We did not work Tuesday afternoon through the Monday, Oct. 5 <sup>th</sup> . It rained Friday, Oct. 9 in the afternoon and we did not work Saturday.		
<b>Personnel on-site:</b>	<i>EcoGro/Ridgewater:</i> Tom Cutter, Eric Dawalt, Jim Hanssen, Larry Mounce, Brad Redmon, Chad Relinski, Randall "Mokie" Starns, Randall Starns, Jr., Sherri Arthur Trucking-John Arthur.		
<b>Equipment on-site:</b>	Komatsu PC 360 excavator w/ hyd. thumb, Komatsu PC 160 w/ hyd. thumb, Komatsu PC 210 excavator, Komatsu PC 240 excavator, Terex TA27 articulated off-road dump truck, Bobcat T300 skid steer , & Morooka 2200 track dump truck (mobilized Oct. 6th).		
<b>Material deliveries to project site:</b>	<ul style="list-style-type: none"> <li>760 tons of spawning gravel (1,215 tons to date).</li> <li>115 l.f. of 84" equivalent diameter arch corrugated metal pipe with Aluminized Type II protective coating.</li> </ul>		
<b>Work performed the past week:</b>	<ul style="list-style-type: none"> <li>Spent most of Monday, Oct. 5<sup>th</sup> running pumps to get the site dry enough to work.</li> <li>Site #3/Step Pool Reach ~Sta. 154+000 to 160+50:               <ul style="list-style-type: none"> <li>Built diversion swale at top of Right Descending Bank (RDB).</li> <li>Built last two steps from Sta. 154+00 to 154+40 and riffle at 153+50.</li> <li>Built floodplain funnel out of 24" dia. rock at head of step pools.</li> <li>Finish graded remainder of site, spread topsoil and wood.</li> </ul> </li> <li>Site #2/ ~Sta. 141+00 to 149+00:               <ul style="list-style-type: none"> <li>Excavated and built low water road crossing at Sta. 149+00.</li> <li>Excavated upstream soil dam, finish graded channel and turned water into Site #2 to flow to river.</li> </ul> </li> <li>Site #1/FDS Reach ~ Sta. 118+40 to 127+00:               <ul style="list-style-type: none"> <li>Built wood/rock toe in pools at Sta. 121+00 and 122+40.</li> </ul> </li> <li>Reach downstream of migration barrier /~Sta. 106+00 to 110+00:               <ul style="list-style-type: none"> <li>Excavated and built riffle at Sta. 107+71.</li> </ul> </li> <li>Ravine upstream of bridge:               <ul style="list-style-type: none"> <li>Finished constructing rock riffles in ravine at ~Sta. 1+15 and 2+60.</li> <li>Lined entire ravine channel in rock from riffle at ~Sta. 3+60 to existing bridge at 4+80.</li> </ul> </li> </ul>		
<b>Erosion &amp; sediment controls installed/maintained:</b>	<ul style="list-style-type: none"> <li>❖ Installed seed and straw on remainder of Site #2 and #3.</li> <li>❖ Installed native herbaceous seed on Site #2 and #3.</li> </ul>		
<b>Work scheduled for next week:</b>	<ul style="list-style-type: none"> <li>✎ Continue building Site #1/FDS Reach Sta. 118+40 to 127+00.</li> <li>✎ Start building confluence berm downstream of bridge.</li> </ul>		
<b>Work planned for two weeks ahead:</b>	<ul style="list-style-type: none"> <li>✎ Finish building Site #1/FDS Reach.</li> <li>✎ Build confluence berm downstream of bridge.</li> <li>✎ Start building migration barrier.</li> </ul>		
<b>General Comments:</b>	➤ Water was released into Site #2 and is flowing from Tributary 9, through Site #2 & #3, and into the river.		
<b>Prepared by:</b> Eric Dawalt, P.E.	<b>Date:</b> 10-12-2015		



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Pictures from the past two week's construction:



**Site #3: Erosion control blanket installed on lower slopes of step pool reach. (Picture taken on September 28<sup>th</sup> on LDB at ~Sta. 159+00 looking upstream).**



**Site #3: Eight days after above picture was taken, grass is growing up through ECB. (Picture taken on October 6<sup>th</sup> on RDB at ~Sta. 159+00 looking upstream).**





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***Site #3: Preparing to install step pool at Sta. 154+00. (Picture taken looking towards Left Descending Bank).***



***Site #3: Installing boulders rock steps. (Picture taken from same location as above).***





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**Site #3: Rock step installed with geotextile fabric upstream to keep gravels from washing through boulders. (Picture taken from same location as above).**



**Site #3: Rock step with smaller rock placed upstream of geotextile and boulders. (Picture taken from same location as above).**





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**Site #3: Installing step pool funnel at head of step pool reach. (Picture taken from RDB at ~Sta. 153+50 looking downstream).**



**Site #3: Installing step pool funnel at head of step pool reach. (Picture taken from LDB at ~Sta. 153+50 looking downstream).**





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**Site #2: Preparing to install low water road crossing at ~Sta. 149+00. (Picture taken from ~ Sta. 148+40 looking downstream).**



**Site #2: Excavating for low water road crossing at ~Sta. 149+00. (Picture taken from approximate same location as above).**





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**Site #2: Installing rock in low water road crossing at ~Sta. 149+00. (Picture taken from approximate same location as above).**



**Site #2: Completed low water road crossing at ~Sta. 149+00. (Picture taken from approximate same location as above).**





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***Ravine upstream of bridge: Lining soil banks and channel bottom with rock to protect them from erosion. (Picture taken in ravine at ~Sta. 3+60 looking downstream).***



***Soil banks and channel bottom under bridge have been lined with rock to protect them from erosion. (Picture taken in ravine looking upstream).***